

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-14. (Canceled)

15. (New) An injection nozzle for an internal combustion engine, in particular in a motor vehicle, the injection nozzle comprising,

 a nozzle body (2) equipped with at least one first injection opening (5) and at least one second injection opening (6),

 a first nozzle needle (8), which is embodied in the form of a hollow needle, is guided in a first needle guide (7) of the nozzle body (2) for controlling the injection of fuel through the at least one first injection opening (5),

 a second nozzle needle (15) disposed coaxial to the first nozzle needle (8) for controlling the injection of fuel through the at least one second injection opening (6),

 a control piston (38) that is drive-coupled to an actuator (57),

 a first drive piston (18) which is drive-connected to the first nozzle needle (8) and having a first booster surface (20) hydraulically coupled to a control surface (40; 79) of the control piston (38), by a first hydraulic pressure transmission path (44), and

 a second drive piston (28) drive-coupled to the second nozzle needle (15) and having a second booster surface (30) hydraulically coupled to a control surface (43; 79) of the control

Applicant Friedrich BOECKING
Docket No. R.304749
Preliminary Amdt.

piston (38), by an activatable and deactivatable second hydraulic pressure transmission path (47),

the activation and deactivation of the second hydraulic pressure transmission path (47) being controlled as a function of the control piston stroke.

16. **(New)** The injection nozzle according to claim 15, wherein a control piston stroke at which the second hydraulic pressure transmission path (47) switches between its activated and deactivated state is predetermined so that with an opening stroke motion of the control piston (38) up until it reaches this predetermined control piston stroke, the first nozzle needle (8) executes an opening stroke while the second nozzle needle (15) remains in its closed position and with an opening stroke motion of the control piston (38) that travels beyond this predetermined control piston stroke, the second nozzle needle (15) also executes an opening stroke.

17. **(New)** The injection nozzle according to claim 15, wherein a first end (41), the control piston (38) has a first control surface (40) situated in a first control chamber (35) and at a second end (42) oriented away from the first end (41), the control piston (38) has a second control surface (43) situated in a second control chamber (37),

the first hydraulic pressure transmission path (44) coupling the first control surface (40) to the first booster surface (20), and

the second hydraulic pressure transmission path (47) is able to couple the second control surface (42) to the second booster surface (30).

18. (New) The injection nozzle according to claim 16, wherein a first end (41), the control piston (38) has a first control surface (40) situated in a first control chamber (35) and at a second end (42) oriented away from the first end (41), the control piston (38) has a second control surface (43) situated in a second control chamber (37),

the first hydraulic pressure transmission path (44) coupling the first control surface (40) to the first booster surface (20), and

the second hydraulic pressure transmission path (47) is able to couple the second control surface (42) to the second booster surface (30).

19. (New) The injection nozzle according to claim 17, further comprising a controllable hydraulic connection (48) for connecting the second control chamber (37) to a supply line (11) that supplies highly pressurized fuel to the injection openings (5, 6), the hydraulic connection (48) being controlled to open and close as a function of the control piston stroke position, and

the second hydraulic pressure transmission path (47) being deactivated when the hydraulic connection (48) is open and being activated when the hydraulic connection (48) is closed.

20. (New) The injection nozzle according to claim 17, wherein

the first booster surface (20) is located in a first booster chamber (21) that communicates with the first control chamber (35) via a first control conduit (34), and

Applicant Friedrich BOECKING
Docket No. R.304749
Preliminary Amdt.

the second booster surface (30) is located in a second booster chamber (31) that communicates with the second control chamber (37) via a second control conduit (36).

21. **(New)** The injection nozzle according to claim 19, wherein

the first booster surface (20) is located in a first booster chamber (21) that communicates with the first control chamber (35) via a first control conduit (34), and
the second booster surface (30) is located in a second booster chamber (31) that communicates with the second control chamber (37) via a second control conduit (36).

22. **(New)** The injection nozzle according to claim 17, wherein the first booster surface (20) is located in the first control chamber (35).

23. **(New)** The injection nozzle according to claim 19, wherein the first booster surface (20) is located in the first control chamber (35).

24. **(New)** The injection nozzle according to claim 17, wherein

the second hydraulic pressure transmission path (47) contains a coupling piston (67) that has a first coupling surface (69), which is contained in the second control chamber (37) and is situated at a first end (68), and has a second coupling surface (71), which is contained in a booster chamber (31) and is situated at a second end (70) opposite from the first end (68), and

the second booster surface (30) is situated in the booster chamber (31).

Applicant Friedrich BOECKING
Docket No. R.304749
Preliminary Amdt.

25. (New) The injection nozzle according to claim 19, wherein

the second hydraulic pressure transmission path (47) contains a coupling piston (67) that has a first coupling surface (69), which is contained in the second control chamber (37) and is situated at a first end (68), and has a second coupling surface (71), which is contained in a booster chamber (31) and is situated at a second end (70) opposite from the first end (68), and

the second booster surface (30) is situated in the booster chamber (31).

26. (New) The injection nozzle according to claim 22, wherein

the second hydraulic pressure transmission path (47) contains a coupling piston (67) that has a first coupling surface (69), which is contained in the second control chamber (37) and is situated at a first end (68), and has a second coupling surface (71), which is contained in a booster chamber (31) and is situated at a second end (70) opposite from the first end (68), and

the second booster surface (30) is situated in the booster chamber (31).

27. (New) The injection nozzle according to claim 24, wherein the coupling piston (67) is supported coaxially in the first drive piston (18) and is able to execute a stroke motion therein, or the coupling piston (67) is supported coaxially on the second drive piston (28) and is able to execute a stroke motion thereon.

Applicant Friedrich BOECKING
Docket No. R.304749
Preliminary Amdt.

28. **(New)** The injection nozzle according to claim 19, wherein a segment (49) of the hydraulic connection (48) is contained in the control piston (38).

29. **(New)** The injection nozzle according to claim 15,

the control piston (38) comprises a control surface (79) situated in a control chamber (78),

wherein the first hydraulic pressure transmission path (44) couples the control surface (79) to the first booster surface (20), and

wherein the second hydraulic pressure transmission path (47) is able to couple the control surface (79) to the second booster surface (30).

30. **(New)** The injection nozzle according to claim 16,

the control piston (38) comprises a control surface (79) situated in a control chamber (78),

wherein the first hydraulic pressure transmission path (44) couples the control surface (79) to the first booster surface (20), and

wherein the second hydraulic pressure transmission path (47) is able to couple the control surface (79) to the second booster surface (30).

31. **(New)** The injection nozzle according to claim 24, wherein

the second hydraulic pressure transmission path (47) comprises a controllable hydraulic connection (81) that is able to connect a first booster chamber (21), which contains

Applicant Friedrich BOECKING
Docket No. R.304749
Preliminary Amdt.

the first booster surface (20), to a second booster chamber (31), which contains the second booster surface (30),

wherein the hydraulic connection (81) is controlled to open and close as a function of the control piston position, and

wherein the second hydraulic pressure transmission path (47) is activated when the hydraulic connection (81) is open and is deactivated when the hydraulic connection (81) is closed.

32. **(New)** The injection nozzle according to claim 31, wherein a segment (82) of the hydraulic connection (81) is contained in the first drive piston (18).

33. **(New)** The injection nozzle according to claim 17, wherein the second drive piston (28) has a compensator surface (60), which is oriented away from the second booster surface (30) and situated in a compensator to chamber (61) that communicates with the supply line (11).

34. **(New)** The injection nozzle according to 17, wherein the first drive piston (18) has a compensator surface (22), which is oriented away from the first booster surface (20) and situated in a compensator chamber (23) that communicates with the supply line (11).